

Applicant respectfully requests that the above-identified patent application be amended as follows.

In the Claims:

Please amend claims 1 and 3 to 23 to read as follows.

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1. (Amended)

A computer system for performing Internet based testing

(comprising:

a central processing site comprising a web server and a database for storing an examination content; and

at least one client computer including a web browser, the web browser communicating with the web server via the Internet for beginning an examination session, retrieving and displaying the examination content, and responding to the examination content;

the web browser automatically providing, to the web server at a predefined interval during the examination session, a request regarding to a candidate who is accessing the examination content via the web browser;

the web server automatically recording, in response to the request from the web browser, a current state of the examination session of the candidate at the predefined interval in a unique file, the unique file being allocated to the candidate in each examination session.

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3. (Amended)

The computer system of claim 2, wherein the current state of the examination session of the candidate is transferred from the client computer to the web server using a cookie.

4. (Amended)

The computer system of claim 2, wherein the web browser comprises:

a circuit for updating the cookie at the predefined interval, the cookie including the current state of the examination session of the candidate; and

a circuit for transmitting the updated cookie in a request to the web server.

5. (Amended) The computer system of claim 4, wherein the web server comprises:
a circuit for responding to the request transmitted by the client computer; and
a circuit for storing the transmitted cookie in the unique file.

6. (Amended) The computer system of claim 3, wherein the web browser comprises:
a circuit for updating the cookie during the examination session at the predefined interval; and
a circuit for transmitting a request to the web server, the request including the updated cookie.

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7. (Amended) The computer system of claim 3, wherein the web server comprises:
a circuit for receiving a request from the client computer, the request including the transmitted cookie;
a circuit for returning a response to the client computer; and
a circuit for storing the cookie in the unique file.

8. (Amended) The computer system of claim 6, wherein the web server comprises:
a circuit for receiving the request from the client computer;
a circuit for returning a response to the client computer; and
a circuit for storing the cookie in the unique file.

9. (Amended) A method of administering Internet based testing on a client computer, examination content being provided from a web server, the method comprising the steps of:
logging in a candidate who accesses a client computer with a web browser;
beginning an examination session;
retrieving and displaying the examination content from the web server and
responding to the examination content; and

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automatically communicating between the web browser and the web server to record a current state of the examination session of the candidate during the examination session at the predefined interval in a unique file, the unique file being allocated to the candidate in each examination session.

10. (Amended) The method of claim 9, wherein the communicating step comprises the step of saving the unique file on the web server.

11. (Amended) The method of claim 10, wherein the communicating step comprises the step of:
transmitting a cookie between the web server and the web browser to save the current state of the examination of the candidate.

12. (Amended) The method of claim 10, wherein the communicating step further comprises the steps of:

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updating the cookie on the web browser at the predefined interval, the updated cookie including the current state of the examination session of the candidate; and
transmitting the updated cookie in a request from the web browser.

13. (Amended) The method of claim 12, wherein the communicating step further comprises the steps of:

responding to the request transmitted by the client computer; and
storing the transmitted cookie in the unique file on the web server.

14. (Amended) The method of claim 11, wherein the communicating step further comprises the steps of:

updating the cookie on the web browser during the examination session at the predefined interval, the updated cookie including the current state of the examination session of the candidate; and

transmitting a request to the web server, the request including the updated cookie.

15. (Amended) The method of claim 11, wherein the communicating step further comprises the steps of:

receiving, on the web server, a request from the web browser, the request including the transmitted cookie;

returning a response to the web browser and

storing the cookies in the unique file on the web server.

16. (Amended) The method of claim 14, wherein the communicating step further comprises the steps of:

receiving, on the web server, the request from the web browser;

returning a response to the client computer; and

storing the cookie in the unique file on the web server.

A2 17. (Amended) A user interface for providing a computer based examination to a user on a client computer, a server providing an examination content to the client computer through a network, the user interface comprising:

a circuit for listing a number of a question on a first frame of a display based on an examination content, the examination content including the question being provided from a server through a network;

a circuit for displaying the question on a second frame of the display based on the examination content;

a circuit for providing a user activable first button for a calculator on the first frame, the first button enabling the calculator to be activated; and

a circuit for providing a user activable second button for a clock on the first frame to change a clock content, the second button enabling the clock to be adapted to either display real time, examination time elapsed or examination time remaining.

sub B3 18. (Amended) Computer executable software code stored on a computer readable medium, the code for administering a computer based examination having examination content, the code comprising:

code to inquire of a web server whether a candidate who accesses a computer with a web browser is allowed to access an examination content;

code to begin an examination session;

code to retrieve and display an examination content transmitted from the web server to the web browser;

code to update, on the web browser, a cookie during the examination session at a predefined interval, the cookie including a current state of the examination session of the candidate;

code to transmit a request from the web browser to the web server at the predefined interval, the request including the current state of the examination session of the candidate.

19. (Amended) Computer executable software code stored on a computer readable medium, the code for administering a computer based examination having examination content, the code comprising:

code to transmit an examination content from a web server to a web browser, a candidate accessing a computer with the web browser;

code to receive a request from the web browser on the web server during the examination session at a predefined interval, the request including a cookie having a current state of the examination session of the candidate;

code to return a response from the web server to the web browser indicating the currently displayed content should not be changed; and

code to record the current state of the examination session of the candidate in a unique file on the web server at the predefined interval, the unique file being allocated to the candidate in each examination session.

20. (Amended) A programmed computer for administering a computer based examination having examination content, the programmed computer comprising:

a memory having at least one region for storing computer executable program code; and

a processor for executing the program code stored in the memory, the code comprising:

code to inquire of a web server whether a candidate who accesses a computer with the web browser is allowed to access an examination content;

code to begin an examination session;

code to update, on the web browser, a cookie during the examination session at a predefined interval, the cookie including a current state of the examination session of the candidate; and

code to transmit a request from the web browser to the web server at the predefined interval, the request including the current state of the examination session of the candidate.

21. (Amended) A programmed computer for administering a computer based examination having examination content, the programmed computer comprising:

a memory having at least one region for storing computer executable program code; and

a processor for executing the program code stored in the memory, the code comprising:

code to transmit an examination content from a web server to a web browser, a candidate accessing a computer with the web browser;

code to receive a request from the web browser on the web server during the examination session at a predefined interval, the request including a cookie having a current state of the examination session of the candidate;

code to return a response from the web server to the web browser indicating the currently displayed content should not be changed; and

code to record the current state of the examination session of the candidate in a unique file on the web server at the predefined interval, the unique file being allocated to the candidate in each examination session.

22. (Amended) A computer readable medium having computer executable software code stored thereon, the code for administering a computer based examination having an examination content comprising:

code to inquire of a web server whether a candidate who accesses a computer with the web browser is allowed to access an examination content;

code to begin an examination session;

code to retrieve and display an examination content transmitted from the web server to the web browser;

code to update, on the web browser, a cookie during the examination session at a predefined interval, the cookie including a current state of the examination session of

the candidate; and

code to transmit a request from the web browser to the web server at the predefined interval, the request including the current state of the examination session of the candidate.

23. (Amended) A computer readable medium having computer executable software code stored thereon, the code for administering a computer based examination having an examination content comprising:

code to transmit an examination content from a web server to a web browser, a candidate accessing a computer with the web browser;

code to receive a request from the web browser on the web server during the examination session at a predefined interval, the request including a cookie having a current state of the examination session of the candidate;

code to return a response from the web server to the web browser indicating the currently displayed content should not be changed; and

code to record the current state of the examination session of the candidate in a unique file on the web server at the predefined interval, the unique file being allocated to the candidate in each examination session.

Please delete claim 24 without prejudice.

Please amend claim 25 to read as follows.

25. (Amended) A method of providing an examination content, the method comprising the steps of:

providing an examination content to a web browser, a candidate accessing a computer with the web browser;

administering the web browser;

evaluating an result of an examination for the candidate on the web server;

selecting a next examination content for the candidate based on the evaluation on the web sever during the examination session;

assigning to the candidate a new examination content.

Please add new claims 26 to 42.

26. (New) The computer system of claim 1, wherein the central processing site provides a digital certificate which ensures a software in the client computer to transact a process allowed by the central processing site.

27. (New) The computer system of claim 1, wherein a virtual private network (VPN) is established between the central processing site and the client computer.

28. (New) The computer system of claim 1, wherein an identification code is assigned to the candidate, which is linked to a specific time and a specific place, and the candidate is accepted by the web server when the candidate logs on the Internet at the specific time and from the specific place.

29. (New) The computer system of claim 1, wherein the web server comprises a circuit for evaluating the response of the candidate in real time and allocating a next examination content to the candidate based on the evaluation during the examination session.

30. (New) The method of claim 9 further comprising the step of ensuring a software in the client computer to transact a process allowed by the central processing site.

31. (New) The method of claim 9 further comprising the step of establishing a virtual private network (VPN) between the central processing site and the client computer.

32. (New) The method of claim 9 further comprising the step of assigning an identification code to the candidate, which is linked to a specific time and a specific place, wherein the candidate is accepted by the web server when the candidate logs on the Internet at the specific time and from the specific place.

33. (New) The method of claim 9, wherein the communicating step comprises the step of evaluating the response of the candidate from the client computer in real time

and the step of allocating a next examination content to the candidate based on the evaluation during the examination session.

34. (New) The method of claim 9 further comprising the step of creating and updating a log file, the log file being allocated to the candidate.

35. (New) The method of claim 9 further comprising the step of recovering the examination session of the candidate using the log file and the unique file allocated to the candidate.

36. (New) The method of claim 9, wherein the communication between the web server and the web browser is encrypted.

37. (New) A method of administering an internet based testing, the method comprising the steps of:

providing an examination content to a web browser, a candidate accessing a computer with the web browser;

repeatedly recording a state of an examination session of the candidate in a unique file on the web server during the examination session, the unique file being allocated to the candidate in each examination session.

recording a log on a log file, the log file being allocated to the candidate in each examination session,

recovering the examination session of the candidate using the unique file and the log file.

38. (New) A method of administering an internet based testing, the method comprising the steps of:

receiving an identification code of an candidate from a web browser on a web server when a candidate logs on a computer with the web server;

determining on the web server whether the candidate is allowed to enter an examination session;

providing an examination content to the web browser;

repeatedly recording a state of the examination session of the candidate in a unique file on the web server during the examination session, the unique file being allocated to the candidate.

39. (New) A method of administering an internet based testing, the method comprising the steps of:

providing an examination content to a web browser, a candidate accessing a computer with the web browser to take an examination in a first language among a plurality of languages;

repeatedly recording a state of an examination session of the candidate in a unique file on the web server during the examination session, the unique file being allocated to the candidate in each examination session; and.

regenerating a current examination session in a second language using the unique file when the candidate changes the language to the second language among the languages during the examination session.

40. (Amended) A method of providing a user interface to a user for taking a computer based examination, a sever providing an examination content, the method comprising the step of:

listing a number of a question on a first frame of a display based on an examination content, the examination content including the question being provided from a server through a network;

displaying the question on a second frame of the display based on the examination content,

providing a user activable first button for a calculator on the first frame, the first button enabling the calculator to be activated; and

providing a user activable second button for a clock on the first frame to change a clock content, the second button enabling the clock to be adapted to either display real time, examination time elapsed or examination time remaining.

41. (New) A user interface for providing a computer based examination to a user on a client computer, a server providing an examination content to the client computer through a network, the user interface comprising:

a circuit for listing a question identification on a first frame of a display based on an examination content provided by a server through a network;

a circuit for displaying a question on a second frame of the display in response to selection of the question identification by a user, the question corresponding to selected the question identification:

a circuit for displaying a flag on the question identification in response to selection of the question identification for the flag by the user; and

a circuit for changing a color on the question identification when the user answers the question.

42. (New) A method of providing a user interface to a user for taking a computer based examination, a sever providing an examination content, the method comprising the step of:

listing a question identification on a first frame of a display based on an examination content provided by a server through a network;

displaying a question on a second frame of the display in response to selection of the question identification by a user, the question corresponding to the selected question identification:

displaying a flag on the question identification in response to selection of the question identification for the flag by the user; and

changing a color on the question identification when the user answers the question.

REMARKS

Claims 1 to 23 and 25 to 42 are presently in the application. Applicant submits herewith as a separate appendix, a version of the amended claims with markings to show the changes made thereto.

The Applicant has amended claims 1, 3 to 23 and 25. The Applicant has deleted claim 24. The Applicant has added new claims 26 to 42. The amendments are fully